

Title (en)  
SELF TUNING COIN RECOGNITION SYSTEM

Publication  
**EP 0155126 A3 19870107 (EN)**

Application  
**EP 85301409 A 19850301**

Priority  
US 58525384 A 19840301

Abstract (en)  
[origin: EP0155126A2] A self-tuning coin testing apparatus having a coin sensor circuit which produces an output signal indicative of a parameter characteristic of the coins which are tested by the coin sensor and a programmed microprocessor which stores an initial acceptance limit, determines whether the output signal from the coin sensor is indicative of a valid coin, stores a signal based on the output signal for each valid coin, calculates a statistical function based on the stored signal, and finally computes and stores a new acceptance limit based on the stored signals for a predetermined number of previously accepted coins. The statistical function, is preferably weighted so that it is based upon values for only a predetermined number of the most recently accepted coins so that a recent average is maintained.

IPC 1-7  
**G07F 3/02**; **G07D 5/08**

IPC 8 full level  
**G07D 5/08** (2006.01); **G07D 5/00** (2006.01); **G07F 5/26** (2006.01); **G07F 7/10** (2006.01); **G07F 9/04** (2006.01)

IPC 8 main group level  
**G07D** (2006.01); **G07F** (2006.01)

CPC (source: EP)  
**G07D 5/02** (2013.01); **G07D 5/08** (2013.01)

Citation (search report)  
• [Y] DE 3103371 A1 19820805 - WULFF APPARATEBAU [DE]  
• [Y] GB 2087548 A 19820526 - OMRON TATEISI ELECTRONICS CO  
• [A] EP 0072189 A2 19830216 - AERONAUTICAL GENERAL INSTR [GB]  
• [A] EP 0101276 A2 19840222 - UNIVERSAL KK [JP]  
• [A] GB 2038062 A 19800716 - HAJIME INDUSTRIES

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**EP 0155126 A2 19850918; EP 0155126 A3 19870107; EP 0155126 B1 19910227; EP 0155126 B2 20010711**; AT E61136 T1 19910315; AU 4110285 A 19850924; AU 584330 B2 19890525; BR 8505538 A 19860218; CA 1228921 A 19871103; DE 3581817 D1 19910404; DK 502785 A 19860102; DK 502785 D0 19851031; ES 540860 A0 19861116; ES 8700886 A1 19861116; GR 850518 B 19850701; HK 36396 A 19960308; IE 56794 B1 19911218; IE 850477 L 19850901; JP H04211888 A 19920803; JP H0727585 B2 19950329; JP H0785277 B2 19950913; JP S61501349 A 19860703; KR 850700280 A 19851226; KR 930007271 B1 19930804; MX 160403 A 19900216; WO 8504037 A1 19850912; ZA 851248 B 19851127

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**EP 85301409 A 19850301**; AT 85301409 T 19850301; AU 4110285 A 19850301; BR 8505538 A 19850301; CA 475454 A 19850228; DE 3581817 T 19850301; DK 502785 A 19851031; ES 540860 A 19850301; GR 850100518 A 19850228; HK 36396 A 19960229; IE 47785 A 19850226; JP 2705391 A 19910221; JP 50132885 A 19850301; KR 850700280 A 19851101; MX 20447085 A 19850228; US 8500369 W 19850301; ZA 851248 A 19850219